The PT150 generator monitoring system is the ideal basic solution for residential air-cooled standby generators and some small liquid-cooled generators. This monitor includes an integral 36” harness, has two (2) additional digital inputs and can monitor the primary operational conditions of the generator.

**Standard Unit Includes**

- PT150 Monitor – Fully Configured & Scripted
- Internal Cellular & GPS Antenna
- Wiring Harness Internal to Unit
- 2 Digital Inputs
- 1 Relay Driver Output
- 7-32VDC Power
- Cellular Carrier Activation
- Over-The-Air Unit Configuration and Updates
- Generator On (Running)/Off (Stopped)
- Engine Battery Voltage Monitor with Low Battery Alarm
- Generator Failed to Exercise (Missed Exercise Cycle)
- Extended Run Time Alerts – Generator Running for 4, 8, 12 & 24 Hours
- Remote Start Relay Driver Output (Customer Furnished Relay)

**Input Configuration**

The PT Series of monitoring systems are UNIVERSAL to all brands, models, ages, and sizes and provide extensive flexibility when selecting what conditions to monitor. Typically, there are relay outputs available on the generator, some may even be programmable. The PT Series of monitoring systems allow you to cost effectively utilize available output contacts on the generator to monitor critical alarms and conditions.

All PT Series monitoring systems include a “Generator On/Off” engine run signal and a battery voltage monitor with low battery alarm. The PT Series monitors also log the exercise cycle, send an alert if the generator has “Failed to Exercise,” and provide an alert if the generator has been running for an extended period of time.

The PT150 monitoring system includes two (2) additional digital inputs that can be used to monitor any contact closure condition that is available from the generator or from any of the optional accessory kits.

**User Interface: Power Link**

Power Link is the most versatile and comprehensive user interface on the market. It is designed for generator service organizations to monitor and track customer equipment and service technicians all in one place. All monitoring systems include a personalized application portal and provide extensive, customizable alerts and reports.
**Digital Inputs** *(2 Available)*

The monitor programming is completely configurable and based on the inputs selected. When utilizing available output contacts on the generator, the monitoring system is able to be configured for those alarms and conditions. There are also optional accessory kits available that can be used to sense the availability of **Utility Power Voltage** (Utility Power On/Off), **Generator Output Voltage** (Generator Breaker Open/Closed) and **Generator Current** (On Generator Power).

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**Utility Voltage Sensing Kit**

Two types of kits are offered for Utility Voltage Sensing to log and report the events of “Utility Power On/Off.” The PTK-UVD kit is a voltage detection sensor suitable for any AC voltage and connects on to a conductor to determine if AC voltage is present or not. The PTK-UVR kits include an AC voltage sensing relay and connection harness and come in voltage configurations of 120V, 208V, 240V, and 277V.

**Generator Voltage Sensing Kit**

The PTK-GVD kit is a voltage detection sensor suitable for any AC voltage and connects on to an output conductor on the output side of the generator breaker to determine if AC voltage is present or not when the generator is running. This kit is used to log and report the event of “Generator Breaker Open.” When used in conjunction with a Utility Voltage Sensing Kit, the condition of “Site Without Power” is reported when no voltage is present from either the Utility Source or Generator.

**Generator Current Sensing Kit**

The PTK-GCS kit includes a split core current sensing switch that clamps around one of the generator output conductors or a stator lead to determine if current is present from the generator. This kit is used to log and report the conditions of “On Generator Power” and “On Utility Power.”

**PT150 Specifications**

- **Internal Cellular & GPS Antenna**
- **Integral 36" Wiring Harness**
- **Temperature:** -30° to 75° C (operating)
- **Humidity:** 95%RH @ 50° C non-condensing
- **Shock and Vibration:** U.S. Military Standards 202G and 810F, SAE J1455
- **EMC/EMI:** SAE J1113; FCC–Part 15B; Industry Canada RoHS Compliant
- **Operating Voltage:** 7-32 VDC
- **Dimensions:** 2.125 x 3.5 x 0.625", (54 x 89 x 16mm)
- **Weight:** 2.6 oz, (74 g)
- **Comprehensive I/O:**
  - Digital Inputs: 2
  - Digital Outputs: 1 open collector (150 mA)
  - 1 internal VCC monitor (battery voltage monitor)
- **Status LEDs:** GPS and cellular
- **Mount:** Tie-Wrap, Velcro or Adhesive